



15 April 2005

TJW

Application No. 10/662,686

Response to your Office Action of 24 Jan 2005

Applicant: Brian L. Tafel

Filed: 15 Sept 2003

Examiner: Mr. John M. Jillions Art Unit 3654

Commissioner for Patents

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Note: The text lines on the attached sheets had to be renumbered because of additional text; my page and line numbers correspond to this revision.

Amendments to the Drawings :

The attached sheets of drawings include additions and changes to Fig.1 and Fig.2 to include every feature of the invention originally mentioned in the specification and in the claims.

Fig.1 (Amended) Although not included in the *original Specification*, New Roll Sensor 51 (RPM), Splicer Roll Sensor 52 (web velocity) were included by way of reference in the *Original Claim 4, line 3* "a speed signal calculated . . . quotient of web . . . velocity . . . divided by the indicated diameter of said second roll from a sensor. .on said transport and splicing apparatus." Using the web velocity from Sensor 52 (or Fig.2 53) divided by roll RPM from Sensor 51 provides said speed signal. New Roll Diameter Sensor 56 is cited in *original claim 4 In. 5* "indicated diameter from a sensor".

Items number 3 and 4 have been moved for clarification per examiner.

Fig.2 (Amended) Tranciever 50 added per examiner. Element 51, 52, 53, 54 added as above. Driveshaft Sensor 53 counting RPM of Driveshaft 54 is an alternate way to sense the web velocity compared to Sensor 52 above. Expiring Roll Sensor 55, is again used to count the roll RPM, this time the expiring roll, to determine expiring roll RPM. Dancer Roll Web Tension Sensor 57 and Dancer Roll 58 added to provide the "indicated web tension. . from a sensor" (Referenced in *original Claim 4 line 15.*)

Fig.10 (Added) Shows the "computer operative means" in #2. line 6 of office action -previously not shown. Element numbers 59 - 65 added.

Attachment: 2 Replacement Sheets containing Fig. 1 and Fig. 2, and 2 Annotated Sheets showing changes
1 New Sheet containing Fig. 10

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